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Amendments to the Claims

1. (Currently amended) An apparatus for cleaning a surface within a vessel, the apparatus supported at least partially above a support surface and comprising:

an elongate combustion conduit extending from an upstream end to a downstream end associated with an aperture in a wall of the vessel and positioned to direct a shock wave toward said surface;

a guide member on the support surface; and

a plurality of support assemblies supporting the combustion conduit at a plurality of locations along a length of the combustion conduit and engaging the at least one guide member, each support assembly comprising a trolley having first and second pairs of wheels.

2. (Currently amended) The apparatus of claim 1 wherein:

the at least one guide member comprises at least one track; and

each support assembly has at least one said wheel engaging the at least one track.

3. (Currently amended) The apparatus of claim 2 wherein:

the at least one track comprises first and second spaced-apart rails; and

each ~~support assembly comprises~~ said at least one pair of ~~said at least one wheel~~ wheels being first and second spaced-apart wheels.

4. (Canceled)

5. (Currently amended) The apparatus of claim [[4]] 3wherein:

the combustion conduit comprises a plurality of separable segments; and

each of the segments is supported atop a single associated one of the plurality of trolleys.

6. (Original) The apparatus of claim 1 further comprising:

a fuel and oxidizer source coupled to the combustion conduit to deliver a charge to the conduit; and

an ignitor positioned to ignite the charge to cause a deflagration-to-detonation transition for generating the shock wave.

7. (Original) The apparatus of claim 1 further comprising:
a resilient member coupling the combustion conduit to the wall.

8. (Original) A plurality of apparatus of claim 1 positioned at a given level of the vessel.

9. (Original) The plurality of claim 8 wherein:
the combustion conduits are oriented parallel to each other.

10. (New) The apparatus of claim 1 wherein:
the combustion conduit comprises a plurality of separable segments; and
each of the segments is supported atop an associated trolley of the plurality of trolleys.

11. (New) The apparatus of claim 1 wherein:
the combustion conduit comprises a plurality of separable segments secured end-to-end.

12. (New) The apparatus of claim 1 wherein:
the combustion conduit comprises a plurality of doubly-flanged segments secured end-to-end.